

BRIEF DESCRIPTION OF THE DRAWINGS

For a more complete understanding of the present invention, and the advantages thereof, reference is now made to the following descriptions taken in conjunction with the accompanying drawings, in which:

5 FIGURE 1 illustrates a cathode comprising CNTs and particles;

FIGURE 2 illustrates a field emission display device incorporating the present invention;

FIGURE 3 illustrates a ball milling device which can be used to grind CNTs;

10 FIGURE 4 illustrates how spraying can be used to deposit a CNT and particles mixture on a substrate;

FIGURE 5 illustrates a screen printing device, which can be used in the depositing of a CNT and particles mixture onto a substrate;

FIGURE 6 illustrates how dispensing or ink jet printing can be used to deposit a CNT and particle mixture on a substrate;

15 FIGURE 7 illustrates a process whereby a cathode of the present invention is "activated" by a taping procedure;

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FIGURES 8 A and B illustrate scanning electron micrographs which contrast mixtures of A) 90 wt. % SWNTs + 10 wt. % nanoparticles with B) 10 wt. % SWNTs + 90 wt. % nanoparticles;

20 FIGURE 9 illustrates electron field emission I/V curves of cathodes comprising CNTs and alumina nanoparticles;